



## ELECTRONIC TUBE REFERENCE

## 6MN1B

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Russian miniature twin triode intended for voltage amplification and general electronic service, combining two triode sections in a compact receiving-tube envelope.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 200 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                        |                |
|------------------------------------------------------------------------|----------------|
| SECTION1 Triode                                                        |                |
| PLATE RESISTANCE                                                       | 25000 $\Omega$ |
| TRANSCONDUCTANCE                                                       | 0.001 S        |
| MAXIMUM PLATE VOLTAGE                                                  | 150 V          |
| MAXIMUM PLATE DISSIPATION                                              | 1 W            |
| MAXIMUM CATHODE CURRENT                                                | 2.5 mA         |
| Values promoted from the complete filename-matched Russian entry only. |                |

|                                                                                         |                |
|-----------------------------------------------------------------------------------------|----------------|
| <b>SECTION2</b> Triode                                                                  |                |
| <b>PLATE RESISTANCE</b>                                                                 | 25000 $\Omega$ |
| <b>TRANSCONDUCTANCE</b>                                                                 | 0.001 S        |
| <b>MAXIMUM PLATE VOLTAGE</b>                                                            | 150 V          |
| <b>MAXIMUM PLATE DISSIPATION</b>                                                        | 1 W            |
| <b>MAXIMUM CATHODE CURRENT</b>                                                          | 2.5 mA         |
| <i>Second identical physical triode section; added to align rows with SectionCount.</i> |                |

Dual-triode mechanotron for precision measurement of linear displacement and force. Extracted and translated from the complete Russian entry corresponding to the PDF filename; neighboring page-break fragments were excluded.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1981 Russian Tubes Katsnelson and Larionov

Published test conditions and operating points. Values on this page are preserved as reported by this source.

## 1981 RUSSIAN TUBES KATSNELSON AND LARIONOV

## Section 1 · Triode

| CHARACTERISTIC                      |                 |                                                             |
|-------------------------------------|-----------------|-------------------------------------------------------------|
| PARAMETER                           | PUBLISHED VALUE | CONDITION / NOTE                                            |
| Plate current                       | 1.5 mA          | Translated from Russian source; filename-matched entry only |
| Transconductance                    | 1 mA/V          | Translated from Russian source; filename-matched entry only |
| Internal resistance                 | 25 kΩ           | Translated from Russian source; filename-matched entry only |
| Voltage sensitivity to displacement | 200 mV/μm       | Translated from Russian source; filename-matched entry only |
| Service life minimum                | 2100 h          | Translated from Russian source; filename-matched entry only |
| Maximum applied force               | 0.4 N           | Translated from Russian source; filename-matched entry only |

## TUBE TINKER

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